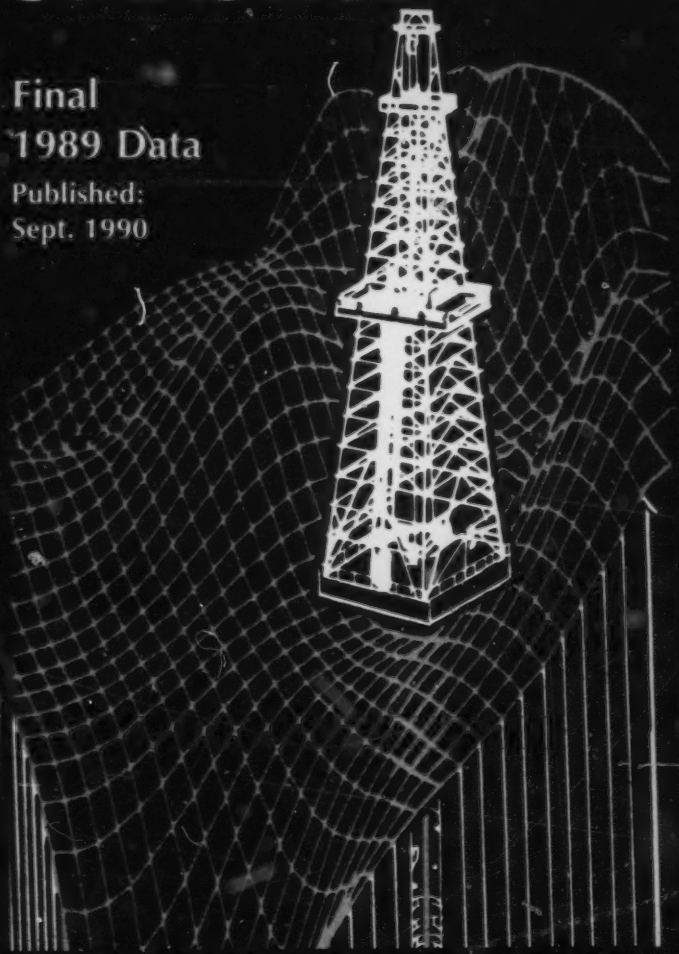
A5425-24 12/90

UNITED STATES PETROLEUM STATISTICS

Final
1989 Data
Published:
Sept. 1990



ndependent Petroleum Association of America
1101 16th Street, N.W. Washington, D.C. 20036

1. EXPLORATION ACTIVITY

Year	Seismic Crew Count	Exploratory Wells Drilled					Total New-Field Wildcat Wells
		Oil	Gas	Dry	Total	% Dry	
1970	2,340	763	478	6,195	7,436	83.3	4,829
1971	2,655	664	472	5,995	7,131	84.1	4,636
1972	3,016	690	659	6,202	7,551	82.1	5,011
1973	2,999	654	1,079	6,038	7,771	77.7	5,096
1974	3,662	870	1,205	6,894	8,969	76.9	5,946
1975	3,416	991	1,261	7,207	9,459	76.2	6,238
1976	3,140	1,100	1,361	6,856	9,317	73.6	5,856
1977	3,063	1,181	1,557	7,402	10,140	73.0	6,162
1978	4,229	1,189	1,786	8,055	11,030	73.0	6,731
1979	4,443	1,335	1,921	7,479	10,735	69.7	6,423
1980	5,915	1,777	2,085	9,008	12,870	70.0	7,332
1981	8,172	2,661	2,522	12,247	17,430	70.3	9,151
1982	7,060	2,481	2,172	11,229	15,882	70.7	7,386
1983	5,681	2,129	1,654	10,062	13,845	72.7	6,241
1984	5,931	2,334	1,588	11,216	15,138	74.1	6,619
1985	4,539	1,724	1,283	9,201	12,208	75.4	5,654
1986	2,355	993	749	5,414	7,156	75.7	3,484
1987	2,113	894	708	5,301	6,903	76.8	3,515
1988	2,161	815	702	5,185	6,702	77.4	3,265
1989	1,579	597	698	4,399	5,694	77.3	2,560

2. DRILLING

Year	Rotary Rigs Active	Total Well Completions				Total Footage Drilled (Mill. Ft)
		Oil	Gas	Dry	Total Excl. Service	
1970	1,028	13,043	4,031	11,099	28,173	138.6
1971	976	11,903	3,983	10,382	26,268	127.3
1972	1,107	11,437	5,484	11,013	27,934	138.8
1973	1,194	10,251	6,975	10,466	27,692	139.4
1974	1,472	13,644	7,168	12,225	33,037	153.8
1975	1,660	16,979	8,169	13,736	38,884	181.0
1976	1,658	17,697	9,438	13,805	40,940	187.3
1977	2,001	18,700	12,119	15,036	45,855	215.7
1978	2,259	19,065	14,405	16,591	50,061	238.4
1979	2,177	20,689	15,166	16,035	51,890	243.7
1980	2,912	32,120	17,132	20,234	69,486	311.4
1981	3,970	42,520	19,742	26,972	89,234	406.5
1982	3,105	39,252	18,810	25,827	83,889	375.4
1983	2,229	37,396	14,505	23,837	75,738	316.7
1984	2,429	44,472	14,362	25,549	84,983	368.8
1985	1,980	36,458	12,917	21,431	70,806	316.8
1986	964	18,598	8,055	12,362	39,015	177.6
1987	936	16,441	8,114	11,698	36,253	163.9
1988	936	14,056	8,697	11,262	34,015	158.9
1989	869	11,123	9,708	9,570	30,401	137.5

3. OPERATORS & PRODUCING WELLS

Year	Number of Operators	Crude Oil		Natural Gas		Total Producing Wells
		Producing Wells	% of Number	Producing Wells	% of Total	
1970	N/A	517,177	81.3	118,864	18.7	636,041
1971	N/A	512,471	81.4	117,300	18.6	629,771
1972	N/A	503,505	80.9	119,167	19.1	622,672
1973	N/A	499,968	80.3	123,034	19.7	623,002
1974	5,981	494,352	79.6	126,997	20.4	621,349
1975	7,201	507,940	79.5	131,086	20.5	639,026
1976	8,554	503,268	78.5	137,594	21.5	640,862
1977	6,782	508,340	77.8	145,453	22.2	653,793
1978	7,222	516,238	77.1	153,655	22.9	669,893
1979	7,859	526,855	76.1	165,888	23.9	692,743
1980	9,952	543,510	75.6	175,213	24.4	718,723
1981	12,224	557,009	74.6	189,609	25.4	746,618
1982	12,853	580,142	74.0	203,663	26.0	783,805
1983	12,730	603,290	73.8	214,354	26.2	817,644
1984	12,618	620,807	73.3	226,077	26.7	846,884
1985	11,187	646,626	72.5	245,765	27.5	892,391
1986	8,163	628,690	71.5	250,510	28.5	879,200
1987	6,864	620,181	71.0	253,856	29.0	874,037
1988	5,950	623,587	70.9	256,004	29.1	879,591
1989	5,000	603,356	69.8	261,139	30.2	864,495

4. STRIPPER WELLS

Year	Producing Wells		Production		Avg. Output per Well (b/d)	Abandonments	Reserves (bill. bbls.)
	Number	% U.S. Wells	Thous. b/d	% U.S. Output			
1970	359,130	67.6	1,209	12.5	3.4	15,631	5.0
1971	353,696	68.4	1,160	12.3	3.3	18,421	4.8
1972	359,471	70.7	1,125	11.9	3.1	13,483	4.9
1973	355,229	71.4	1,057	11.5	3.0	13,756	4.9
1974	366,095	73.6	1,129	12.9	3.1	13,779	4.8
1975	367,872	73.5	1,080	12.9	2.9	13,478	4.9
1976	365,733	73.3	1,072	13.2	2.9	9,916	4.9
1977	368,930	72.8	1,075	13.1	2.9	9,000	4.9
1978	374,635	72.5	1,073	12.3	2.9	8,380	5.0
1979	386,310	72.7	1,081	12.6	2.8	7,668	5.2
1980	395,176	72.1	1,096	12.7	2.8	6,614	5.2
1981	409,539	73.5	1,168	13.1	2.9	7,215	4.4
1982	416,493	71.8	1,211	14.0	2.9	9,426	4.5
1983	441,501	73.2	1,266	14.6	2.9	11,032	4.6
1984	452,543	72.9	1,266	14.3	2.8	14,170	4.5
1985	458,447	70.9	1,249	14.0	2.7	16,024	4.2
1986	460,429	73.2	1,231	14.0	2.7	19,233	4.0
1987	451,787	72.8	1,224	14.7	2.7	18,241	3.9
1988	454,150	75.3	1,210	14.9	2.7	17,423	3.8
1989	N/A	N/A	N/A	N/A	N/A	N/A	N/A

5. NEW RESERVES ADDED

Year	Liquid Hydrocarbons (Mill. Bbls.)			Natural Gas (Tcf)	Crude Oil Reserves Per New Oil Well (Bbls.)	Nat. Gas Reserves Per New Gas Well (MMcf)
	Crude Oil	NGL	Total			
1970	12,689	308	12,997	37.6	972,859	9,328
1971	2,318	347	2,665	10.1	194,741	2,536
1972	1,558	238	1,796	9.8	136,225	1,787
1973	2,146	409	2,555	6.5	209,345	932
1974	1,994	620	2,614	8.5	146,145	1,186
1975	1,318	619	1,937	10.8	77,625	1,322
1976	1,085	834	1,919	7.4	61,310	784
1977	1,140	291	1,431	12.3	60,963	1,015
1978	2,583	596	3,179	10.7	135,484	743
1979	1,410	570	1,980	14.5	68,152	956
1980	2,970	844	3,814	16.7	92,466	975
1981	2,570	1,081	3,651	21.5	60,442	1,089
1982	1,382	874	2,256	17.3	35,208	920
1983	2,897	1,405	4,302	14.5	77,468	1,000
1984	3,748	518	4,266	14.4	84,278	962
1985	3,022	1,054	4,076	11.9	82,890	921
1986	1,446	959	2,405	13.8	77,750	1,713
1987	3,240	729	3,969	11.7	200,297	1,442
1988	2,380	845	3,225	-2.5	181,513	-305
1989	2,262	288	2,550	16.1	234,404	1,914

6. PROVED RESERVES

As of Dec. 31st	Liquid Hydrocarbons (Mill. Bbls.)			Natural Gas-Dry (Tcf)	Reserve/Production Ratio		
	Crude Oil	NGL	Total		Crude Oil	Total Liquid	Natural Gas
1970	39,001	7,703	46,704	290.8	11.8	11.5	13.3
1971	38,063	7,304	45,367	278.8	11.7	11.3	12.6
1972	36,339	6,787	43,126	266.1	11.1	10.7	11.8
1973	35,300	6,455	41,755	250.0	11.1	10.6	11.1
1974	34,250	6,350	40,600	237.1	11.3	10.8	11.1
1975	32,682	6,268	38,950	228.2	11.3	10.9	11.6
1976	33,502	6,402	39,904	216.0	11.0	11.3	11.1
1977	31,780	5,994	37,774	208.9	11.1	10.6	10.7
1978	31,335	6,772	38,107	200.3	10.4	10.4	10.4
1979	29,810	6,615	36,425	194.9	10.1	9.9	9.8
1980	29,805	6,728	36,533	199.0	10.0	9.9	10.6
1981	29,426	7,068	36,494	201.7	10.0	9.9	10.8
1982	27,858	7,221	35,079	201.5	9.4	9.6	11.5
1983	27,735	7,901	35,636	200.3	9.2	9.5	12.7
1984	28,446	7,643	36,089	197.5	9.4	9.5	11.5
1985	28,416	7,944	36,360	193.4	9.3	9.6	12.1
1986	26,889	8,165	35,054	191.6	9.0	9.4	12.3
1987	27,256	8,147	35,403	187.2	9.5	9.8	11.6
1988	26,825	8,238	35,063	168.0	9.5	9.8	10.1
1989	26,501	7,769	34,270	167.1	10.2	10.3	9.8

7. PETROLEUM PRODUCTION

Year	Crude Oil	NGL	Total Production	Average Crude Oil Per Well	% of U.S. Energy Production		
	(Thous. b/d)			(b/d)	Petroleum	Natural Gas	Total
1970	9,637	1,660	11,297	18.6	32.7	38.7	71.4
1971	9,463	1,694	11,157	18.5	32.5	40.2	72.7
1972	9,441	1,744	11,185	18.8	31.9	39.5	71.4
1973	9,208	1,738	10,946	18.4	31.4	39.9	71.3
1974	8,774	1,688	10,462	17.7	30.5	38.9	69.4
1975	8,375	1,632	10,007	16.5	29.6	36.8	66.4
1976	8,132	1,604	9,736	16.2	28.8	36.4	65.2
1977	8,245	1,618	9,863	16.2	29.0	36.4	65.4
1978	8,707	1,567	10,274	16.9	30.2	35.6	65.8
1979	8,552	1,583	10,135	16.2	28.4	35.0	63.4
1980	8,597	1,573	10,170	15.8	28.2	34.2	62.4
1981	8,572	1,609	10,181	15.4	28.2	34.2	62.4
1982	8,649	1,550	10,199	14.9	28.7	32.0	60.7
1983	8,688	1,559	10,247	14.4	30.0	30.6	60.6
1984	8,879	1,630	10,509	14.3	28.6	30.7	59.3
1985	8,971	1,609	10,580	13.9	29.3	29.6	58.9
1986	8,680	1,551	10,231	13.8	28.6	29.0	57.6
1987	8,349	1,595	9,944	13.5	27.3	29.7	57.0
1988	8,151	1,625	9,776	13.1	26.2	29.9	56.1
1989	7,613	1,546	9,159	16.2	24.5	30.0	54.5

8. PETROLEUM CONSUMPTION

Year	Petroleum Demand (Thous. b/d)			% of U.S. Energy Consumption		
	Domestic	Export	Total	Petroleum	Natural Gas	Total
1970	14,697	259	14,956	44.5	32.8	77.3
1971	15,213	224	15,437	45.1	33.1	78.2
1972	16,367	222	16,589	46.3	31.9	78.2
1973	17,308	231	17,539	46.9	30.3	77.2
1974	16,652	221	16,873	46.1	30.0	76.1
1975	16,322	209	16,531	46.4	28.3	74.7
1976	17,461	223	17,684	47.3	27.4	74.7
1977	18,431	243	18,674	48.7	26.1	74.8
1978	18,847	362	19,209	48.6	25.6	74.2
1979	18,516	471	18,987	47.1	26.2	73.3
1980	17,056	544	17,600	45.0	26.8	71.8
1981	16,058	595	16,653	43.2	26.9	70.1
1982	15,296	815	16,111	42.7	26.1	68.8
1983	15,231	739	15,970	42.6	24.6	67.2
1984	15,726	722	16,448	41.9	25.0	66.9
1985	15,726	781	16,507	41.8	24.1	65.9
1986	16,281	785	17,066	43.4	22.5	65.9
1987	16,665	764	17,429	42.8	23.0	65.8
1988	17,283	815	18,098	42.7	23.1	65.8
1989	17,325	859	18,184	42.1	23.8	65.9

BEST AVAILABLE COPY

9. PETROLEUM SUPPLY

Year	Imports			Other Supply	Total Supply	Imports as % of Demand
	Crude Oil	Refined Products	Total Imports			
	(Thous. b/d)					
1970	1,324	2,095	3,419	355	15,071	23.3
1971	1,680	2,245	3,925	438	15,520	25.8
1972	2,216	2,525	4,741	431	16,357	29.0
1973	3,244	3,012	6,256	472	17,674	36.1
1974	3,477	2,635	6,112	478	17,052	36.7
1975	4,105	1,951	6,056	631	16,694	37.1
1976	5,287	2,026	7,313	577	17,626	41.9
1977	6,594	2,193	8,787	552	19,202	47.7
1978	6,194	2,008	8,202	476	18,952	43.5
1979	6,452	1,937	8,389	570	19,094	45.3
1980	5,219	1,646	6,865	660	17,695	40.2
1981	4,141	1,599	5,740	646	16,567	35.7
1982	3,323	1,625	4,948	643	15,790	32.3
1983	3,096	1,721	4,817	737	15,801	31.6
1984	3,229	2,011	5,240	784	16,533	33.3
1985	3,083	1,866	4,949	758	16,287	31.5
1986	4,130	2,046	6,176	811	17,218	37.9
1987	4,601	2,004	6,605	[illegible]	17,390	39.6
1988	5,056	2,295	7,351	[illegible]	18,018	42.5
1989	5,787	2,218	8,005	[illegible]	18,085	46.2

10. IMPORTS BY ORIGIN

Year	OPEC Sources		Arab OPEC		Hemispheres	
	Thous. b/d	% Total Imports	Thous. b/d	% Total Imports	Western	Eastern
					(Thous. b/d)	
1970	1,343	39.3	196	5.7	2,856	563
1971	1,673	42.6	327	8.3	3,077	848
1972	2,063	43.5	530	11.2	3,395	1,346
1973	2,993	47.8	915	14.6	4,003	2,253
1974	3,280	53.7	752	12.3	3,532	2,580
1975	3,601	59.5	1,383	22.8	2,951	3,105
1976	5,066	69.4	2,424	33.2	2,675	4,620
1977	6,193	70.3	3,185	36.2	2,771	6,036
1978	5,751	68.8	2,963	35.4	2,701	5,662
1979	5,637	66.7	3,056	36.1	2,868	5,588
1980	4,300	62.2	2,551	36.9	2,512	4,397
1981	3,323	55.4	1,848	30.8	2,216	3,780
1982	2,146	42.0	854	16.7	2,423	2,690
1983	1,832	36.3	625	12.4	2,702	2,349
1984	2,049	37.7	819	15.1	2,703	2,734
1985	1,830	36.1	472	9.3	2,869	2,198
1986	2,837	45.6	1,162	18.7	3,067	3,157
1987	3,060	45.8	1,274	19.1	3,727	2,951
1988	3,520	47.6	1,839	24.8	3,299	4,103
1989	4,140	51.4	2,130	26.4	3,496	4,565

11. NATURAL GAS

Year	Marketed Production (Wet)	Dry Gas Production	Imports	Exports	Total Supply	Consumption
	(Bcf)					
1970	21,921	21,014	821	70	23,294	21,139
1971	22,493	21,610	935	80	24,052	21,793
1972	22,532	21,624	1,019	78	24,400	22,101
1973	22,648	21,731	1,033	77	24,297	22,049
1974	21,601	20,713	959	77	23,373	21,223
1975	20,109	19,236	953	73	21,949	19,538
1976	19,952	19,098	964	65	22,122	19,946
1977	20,025	19,163	1,011	56	21,910	19,521
1978	19,974	19,122	966	53	22,238	19,627
1979	20,473	19,663	1,253	56	22,974	20,241
1980	19,889	19,558	985	49	22,515	19,877
1981	19,956	19,357	904	59	22,191	19,404
1982	18,520	17,903	933	52	21,000	18,001
1983	16,822	16,164	920	55	19,352	16,835
1984	18,230	17,392	843	55	20,443	17,951
1985	17,198	16,382	949	57	19,855	17,281
1986	16,791	15,991	750	61	18,692	16,221
1987	17,349	16,536	993	54	19,534	17,211
1988	17,808	16,992	1,294	74	20,657	18,028
1989	17,955	17,115	1,378	70	21,216	18,812

12. NATURAL GAS PRICES

Year	Wellhead		End Use				
	Current $	Constant 1989 $	Residential	Commercial	Industrial	Utilities	All Uses
	($/Mcf)						
1970	0.17	0.51	1.09	0.77	0.37	0.29	0.59
1971	0.18	0.51	1.15	0.82	0.41	0.32	0.63
1972	0.19	0.52	1.21	0.88	0.45	0.34	0.68
1973	0.22	0.56	1.29	0.94	0.50	0.38	0.73
1974	0.30	0.70	1.43	1.07	0.67	0.51	0.89
1975	0.45	0.96	1.71	1.35	0.96	0.77	1.19
1976	0.58	1.16	1.98	1.64	1.24	1.06	1.47
1977	0.79	1.48	2.35	2.04	1.50	1.32	1.78
1978	0.91	1.59	2.56	2.23	1.70	1.48	1.98
1979	1.18	1.90	2.98	2.73	1.99	1.81	2.34
1980	1.59	2.34	3.68	3.39	2.56	2.27	2.91
1981	1.98	2.66	4.29	4.00	3.14	2.89	3.51
1982	2.46	3.11	5.17	4.82	3.87	3.48	4.32
1983	2.59	3.15	6.06	5.59	4.18	3.58	4.82
1984	2.66	3.12	6.12	5.55	4.22	3.70	4.85
1985	2.51	2.86	6.12	5.50	3.95	3.55	4.72
1986	1.94	2.15	5.83	5.08	3.23	2.43	4.13
1987	1.67	1.80	5.54	4.77	2.94	2.32	4.05
1988	1.69	1.76	5.47	4.63	2.95	2.34	4.09
1989	1.71	1.71	5.63	4.78	2.93	2.43	4.19

13. OIL PRICES

Year	Crude Oil		Refiner Acq. Cost			Oil/Gas Composite	
	Current $	Constant 1989 $	U.S.	Import	Composite	Current $	Constant 1980 $
	($/Bbl.)						
1970	3.18	9.56	3.46	2.96	3.40	1.97	5.92
1971	3.39	9.64	3.68	3.17	3.60	2.07	5.89
1972	3.39	9.21	3.67	3.22	3.58	2.10	5.70
1973	3.89	9.93	4.17	4.08	4.15	2.39	6.10
1974	6.87	16.07	7.18	12.52	9.07	3.95	9.24
1975	7.67	16.34	8.39	13.93	10.38	4.79	10.20
1976	8.19	16.39	8.84	13.48	10.89	5.39	10.79
1977	8.57	16.08	9.55	14.53	[illegible]	6.19	11.62
1978	9.00	15.74	10.61	14.57	12.46	6.80	11.89
1979	12.64	20.31	14.27	21.67	17.72	9.20	14.78
1980	21.59	31.82	24.23	33.89	28.07	14.57	21.47
1981	31.77	42.68	34.33	37.05	35.24	20.36	27.35
1982	28.52	36.02	31.22	33.55	31.87	20.59	26.00
1983	26.19	31.84	28.87	29.30	28.99	20.14	24.48
1984	25.88	30.35	28.53	28.88	28.63	20.00	23.45
1985	24.09	27.43	26.66	26.99	26.75	18.90	21.52
1986	12.51	13.88	14.82	14.00	14.55	11.50	12.76
1987	15.40	16.57	17.76	18.13	17.90	12.12	13.04
1988	12.58	13.10	14.74	14.56	14.67	10.76	11.20
1989	15.85	15.85	17.88	18.08	17.97	12.20	12.20

14. PETROLEUM PRODUCT PRICES

Year	Wholesale Prices						Retail Gasoline	
	Gasoline	Kerosene	Distillate	Resid. Fuel	Average 4 Products		Excl. Taxes	Incl. Taxes
	($/Gal.)					($/bbl.)	($/Gal.)	
1970	.12	.12	.10	.06	.10	4.28	.23	.35
1971	.13	.13	.11	.08	.11	4.59	.24	.35
1972	.13	.13	.11	.08	.11	4.57	.24	.35
1973	.15	.14	.13	.08	.12	5.25	.27	.38
1974	.26	.24	.23	.20	.23	9.86	.40	.52
1975	.30	.27	.26	.22	.27	11.35	.46	.57
1976	.34	.32	.30	.22	.30	12.41	.47	.59
1977	.37	.36	.34	.26	.33	13.95	.51	.63
1978	.39	.37	.36	.23	.34	14.16	.54	.65
1979	.57	.57	.54	.34	.50	20.79	.74	.85
1980	.87	.80	.78	.44	.73	30.56	1.08	1.19
1981	1.02	1.01	.97	.61	.89	37.28	1.20	1.33
1982	.95	.97	.92	.58	.83	34.97	1.12	1.26
1983	.87	.85	.80	.57	.77	32.31	1.03	1.22
1984	.81	.85	.80	.59	.74	31.29	1.00	1.21
1985	.81	.82	.77	.56	.73	30.69	.95	1.16
1986	.48	.50	.45	.36	.44	18.47	.70	.92
1987	.53	.57	.52	.45	.51	21.37	.72	.95
1988	.50	.51	.46	.39	.46	19.41	.71	.95
1989	.59	.61	.56	.41	.53	22.38	.77	1.01

15. WELLHEAD VALUE & TAXES

Year	Wellhead Value					Severance and Production Taxes Paid (Mill. $)
	Crude Oil	% of Total	Natural Gas	% of Total	Total	
1970	11,186	75.0	3,727	25.0	14,913	648
1971	11,709	74.3	4,049	25.7	15,758	696
1972	11,714	73.2	4,281	26.8	15,995	711
1973	13,074	72.4	4,983	27.6	18,057	783
1974	22,001	77.2	6,480	22.8	28,481	1,260
1975	23,446	72.2	9,049	27.8	32,495	1,614
1976	24,376	67.8	11,572	32.2	35,948	1,804
1977	25,791	62.0	15,820	38.0	41,611	2,013
1978	28,602	61.1	18,176	38.9	46,778	2,204
1979	39,456	62.0	24,158	38.0	63,614	2,463
1980	67,933	67.9	32,086	32.1	100,019	3,865
1981	99,401	71.6	39,513	28.4	138,914	6,418
1982	90,034	66.4	45,559	33.6	135,593	7,464
1983	83,052	65.6	43,569	34.4	126,621	7,265
1984	84,103	63.4	48,492	36.6	132,595	7,192
1985	78,881	64.6	43,167	35.4	122,048	[illegible]
1986	39,634	54.9	32,575	45.1	72,209	5,360
1987	46,930	61.8	28,973	38.2	75,903	3,998
1988	37,479	55.5	30,096	44.5	67,575	4,002
1989	44,150	59.1	30,560	40.9	74,710	3,821

16. FINANCIAL STATISTICS

Year	Rate of Return %		Exploration & Development Outlays (Mill. $)			Wages ($/Hour)	
	Oil & Gas	All Mfg.	Larger Firms	Independents	Total	Oil & Gas	All Mfg.
1970	9.9	9.3	3,119	1,656	4,775	3.83	3.36
1971	9.3	9.7	2,740	1,160	3,900	4.15	3.56
1972	9.6	10.6	4,225	2,255	6,480	4.52	3.82
1973	10.5	13.0	5,275	2,865	8,140	4.79	4.09
1974	14.6	14.9	8,550	3,805	12,355	5.30	4.42
1975	12.9	11.6	6,830	3,420	10,250	6.01	4.83
1976	15.2	13.9	8,646	5,864	14,510	6.61	5.22
1977	14.2	14.2	10,305	6,195	16,500	7.16	5.68
1978	13.8	15.0	11,275	8,025	19,300	8.05	6.17
1979	18.2	16.5	15,000	11,750	26,750	8.78	6.70
1980	18.1	14.1	20,553	15,647	36,200	9.70	7.27
1981	16.4	14.0	29,765	26,710	56,475	10.78	7.99
1982	13.6	9.2	30,000	25,400	55,400	11.81	8.50
1983	12.5	10.5	22,650	18,225	40,875	12.38	8.84
1984	9.9	12.5	22,050	19,400	41,450	12.77	9.18
1985	9.7	10.0	17,000	16,000	33,000	13.31	9.52
1986	6.0	9.6	9,000	8,000	17,000	13.75	9.73
1987	7.4	12.9	10,000	7,000	17,000	14.02	9.91
1988	15.2	16.4	10,500	6,000	16,500	14.47	10.18
1989	14.6	13.9	10,000	5,500	15,500	12.29	10.49

17. DRILLING COSTS & INDICES

Year	Drilling Costs			Cost & Price Indices (1982=100)			
	Total (Mill. $)	Per Well ($)	Per Ft. ($)	Crude Price	Oil Machinery	Oil Well Casing	Line Pipe
1970	2,579	94,885	18.84	14.5	27.0	24.2	27.2
1971	2,372	94,703	19.03	15.6	27.9	26.7	29.9
1972	2,814	106,424	20.76	15.5	28.9	28.4	32.1
1973	3,075	117,152	22.50	17.2	30.3	29.4	34.4
1974	4,367	138,718	28.93	28.9	35.9	37.6	45.5
1975	6,571	177,793	36.99	33.5	44.6	46.6	54.7
1976	7,462	191,615	40.46	34.6	49.5	49.2	56.3
1977	9,957	229,181	46.82	37.4	53.0	53.9	62.5
1978	13,061	279,950	56.64	40.9	59.5	59.9	71.2
1979	16,079	331,367	67.71	51.3	65.8	63.0	72.8
1980	22,800	367,682	77.03	75.9	76.3	72.0	80.7
1981	36,666	453,691	94.30	109.6	91.1	89.8	94.6
1982	39,428	514,378	108.73	100.0	100.0	100.0	100.0
1983	25,105	371,721	83.34	92.9	97.4	90.2	97.5
1984	25,206	326,463	71.90	91.3	96.6	86.2	97.3
1985	23,697	349,399	75.35	84.5	96.8	86.0	97.2
1986	13,552	364,577	76.88	46.9	94.3	80.3	96.7
1987	9,239	279,615	58.71	55.5	93.3	81.6	97.3
1988	10,550	354,713	70.23	46.2	97.0	87.4	99.6
1989	N/A	N/A	N/A	56.3	99.2	88.7	92.3

18. OIL & GAS EMPLOYMENT

Year	Extraction	Refining	Transportation	Wholesale	Retail	Total Industry
	(Thous.)					
1970	270.1	164.7	178.8	224.5	613.3	1,451.4
1971	264.2	164.0	175.8	225.0	619.0	1,448.0
1972	267.9	162.8	177.4	225.2	648.9	1,482.2
1973	273.9	160.3	179.5	220.8	651.4	1,485.9
1974	300.2	164.6	180.5	216.8	590.4	1,452.5
1975	328.8	164.0	179.4	227.5	622.2	1,521.9
1976	345.7	167.7	177.0	232.0	625.8	1,548.2
1977	381.4	170.7	177.3	229.7	628.7	1,587.8
1978	429.3	175.4	183.1	229.4	628.0	1,645.2
1979	474.2	177.3	187.2	225.4	576.9	1,641.0
1980	559.7	167.0	189.3	223.9	560.8	1,700.7
1981	692.1	185.1	195.8	231.5	562.2	1,866.7
1982	708.3	175.8	198.2	222.6	559.0	1,863.9
1983	597.8	169.2	193.6	210.9	556.2	1,727.7
1984	606.5	162.2	192.3	208.3	574.7	1,744.0
1985	582.9	152.5	193.5	205.9	588.5	1,723.2
1986	450.5	140.7	185.6	200.5	596.0	1,573.3
1987	401.8	133.5	183.8	197.9	608.0	1,525.1
1988	405.9	130.4	183.6	202.1	626.8	1,548.7
1989	403.5	131.1	186.1	207.8	642.1	1,570.5

19. GENERAL ECONOMIC DATA

Year	Gross National Product			Producer Price Index	Consumer Price Index	Industrial Production Index
	Current $	Constant 1982 $	Price Deflator			
	(Bill.$)		1982 = 100		1984 = 100	1977 = 100
1970	1,015.5	2,416.2	42.0	39.3	38.8	78.5
1971	1,102.7	2,484.8	44.4	40.5	40.5	79.6
1972	1,212.8	2,608.5	46.5	41.8	41.8	87.3
1973	1,359.3	2,744.1	49.5	45.6	44.4	94.4
1974	1,472.8	2,729.3	54.0	52.6	49.3	93.0
1975	1,598.4	2,695.0	59.3	58.2	53.8	84.8
1976	1,782.8	2,826.7	63.1	60.8	56.9	92.6
1977	1,990.5	2,958.6	67.3	64.7	60.6	100.0
1978	2,249.7	3,115.2	72.2	69.8	65.2	106.5
1979	2,508.2	3,192.4	78.6	77.6	72.6	110.7
1980	2,732.0	3,187.1	85.7	88.0	82.4	108.6
1981	3,052.6	3,248.8	94.0	96.1	90.9	111.0
1982	3,166.0	3,166.0	100.0	100.0	96.5	103.1
1983	3,405.7	3,279.1	103.9	101.6	99.6	109.2
1984	3,772.2	3,501.4	107.7	103.7	103.9	121.4
1985	4,014.9	3,618.7	110.9	104.7	107.6	123.7
1986	4,231.6	3,717.9	113.8	103.2	109.6	125.1
1987	4,515.6	3,845.3	117.4	105.4	113.6	129.8
1988	4,873.7	4,016.9	121.3	108.0	118.3	137.2
1989	5,200.8	4,117.7	126.3	113.6	124.0	141.8

PEAK YEAR MILESTONES

Number of Operators	1982	12,853	
Seismic Crew Count	1981	8,172	
Rotary Rigs Active	1981	3,970	
Exploratory Wells Drilled	1981	17,430	
Oil Wells Drilled	1984	44,472	
Gas Wells Drilled	1981	19,742	
Dry Holes Drilled	1981	26,972	
Total Wells Drilled	1981	89,234	
Producing Oil Wells	1985	646,626	
Producing Gas Wells	1989	261,139	
Drilling Costs	1982	$39.4	bill.
Crude Oil Production	1970	9,637	thous. b/d
Stripper Well Production	1961	1,622	thous. b/d
Petroleum Imports	1977	8,787	thous. b/d
Petroleum Demand	1978	18,847	thous. b/d
Natural Gas Production	1973	22,648	Bcf
Natural Gas Consumption	1972	22,101	Bcf
Natural Gas Imports	1979	1,253	Bcf
Oil Wellhead Price	1981	$31.77	per bbl.
Gas Wellhead Price	1984	$2.66	per Mcf
Total Employment	1981	1.9	mill.

DATA SOURCES BY TABLE:

1. Seismic Crews: Society of Exploration Geophysicists; Wells: American Petroleum Institute (API)
2. Rotary Rigs: Baker Hughes; Wells and Footage: API (estimated completion basis)
3. Operators: Petroleum Information; Producing Wells: *World Oil*
4. Stripper Wells: National Stripper Well Association (NSWA)

5.-6. Energy Information Administration (EIA);API; American Gas Association

7.-13. EIA and IPAA

14. Wholesale Prices: IPAA; Retail Gasoline Prices: *Oil & Gas Journal*
15. Wellhead Value: EIA; Taxes: IPAA
16. Rate of Return (Mfg): Federal Trade Commission; Wages: Bureau of Labor Statistics; Other Data: Chase Manhattan Bank
17. Drilling Costs: Joint Association Survey; Oil Field Wage Index: IPAA; Other Indices: Dept. of Commerce
18. Bureau of Labor Statistics
    (Total may not add due to rounding.)
19. Department of Commerce

NOTES:

A. All percentages, ratios and equivalent/composite prices are calculated by IPAA.
B. Crude oil production and imports include lease condensate. Other petroleum supply includes refinery processing gain and other hydrocarbons.
C. Producing wells and reserves are shown as of December 31st each year.
D. Petroleum reserves in 1970 include 9.6 bill. bbls. of crude oil and 26 Tcf of natural gas from Alaska North Slope. In 1988, there was a significant downward revision in Alaskan natural gas reserves.
E. Imports for the Strategic Petroleum Reserve are included only in Table #10, "Imports by Origin."
F. Marketed natural gas (wet) includes natural gas liquids. Total supply includes withdrawals from storage and supplemental gaseous fuels.
G. Gasoline wholesale prices are for unleaded fuel after 1981. Retail prices are for unleaded fuel after 1984.

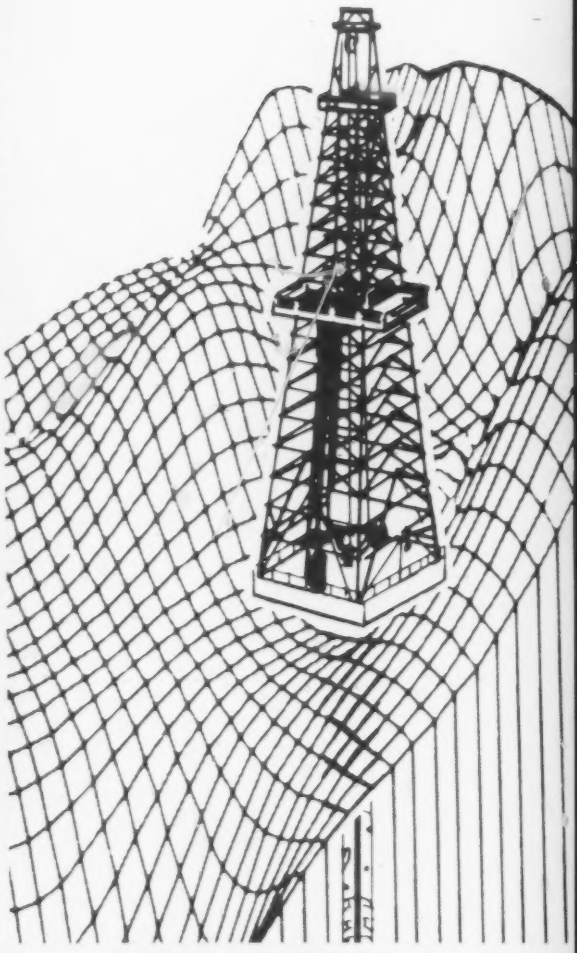
Contact: IPAA Petroleum Information Services Dept.
(202) 857-4760

AS425-2-U

United States Petroleum Statistics

1990 Data

Published: Sept. 1991



Independent Petroleum Association of America
1101 16th St., N.W.
Washington, D.C. 20036

1. EXPLORATION ACTIVITY

Year	Seismic Crew Count	Exploratory Wells Drilled					Total New-Field Wildcat Wells
		Oil	Gas	Dry	Total	% Dry	
1971	2,655	664	472	5,995	7,131	84.1	4,636
1972	3,016	690	659	6,202	7,551	82.1	5,011
1973	2,999	654	1,079	6,038	7,771	77.7	5,096
1974	3,662	870	1,205	6,894	8,969	76.9	5,946
1975	3,416	991	1,261	7,207	9,459	76.2	6,238
1976	3,140	1,100	1,361	6,856	9,317	73.6	5,856
1977	3,063	1,181	1,557	7,402	10,140	73.0	6,162
1978	4,229	1,189	1,786	8,055	11,030	73.0	6,731
1979	4,443	1,335	1,921	7,479	10,735	69.7	6,423
1980	5,915	1,777	2,085	9,008	12,870	70.0	7,332
1981	8,172	2,661	2,522	12,247	17,430	70.3	9,151
1982	7,060	2,481	2,172	11,229	15,882	70.7	7,386
1983	5,681†	2,129	1,654	10,062	13,845	72.7	6,241
1984	5,931	2,334	1,588	11,216	15,138	74.1	6,619
1985	4,539	1,724	1,283	9,201	12,208	75.4	5,654
1986	2,355	993	749	5,414	7,156	75.7	3,484
1987	2,113	894	708	5,301	6,903	76.8	3,515
1988	2,161	813	692	4,845	6,350	76.3	3,271
1989	1,579	600	673	3,960	5,233	75.7	2,630
1990	1,500	628	578	3,700	4,906	75.4	2,509

2. DRILLING

Year	Rotary Rigs Active	Total Well Completions				Total Footage Drilled (Mill. Ft.)
		Oil	Gas	Dry	Total Excl. Service	
1971	976	11,903	3,983	10,382	26,268	127.3
1972	1,107	11,437	5,484	11,013	27,934	138.8
1973	1,194	10,251	6,975	10,466	27,692	139.4
1974	1,472	13,644	7,168	12,225	33,037	153.8
1975	1,660	16,979	8,169	13,736	38,884	181.0
1976	1,658	17,697	9,438	13,805	40,940	187.3
1977	2,001	18,700	12,119	15,036	45,855	215.7
1978	2,259	19,065	14,405	16,591	50,061	238.4
1979	2,177	20,689	15,166	16,035	51,890	243.7
1980	2,912	32,120	17,132	20,234	69,486	311.4
1981	3,970	42,520	19,742	26,972	89,234	406.5
1982	3,105	39,252	18,810	25,827	83,889	375.4
1983	2,229	37,396	14,505	23,837	75,738	316.7
1984	2,429	44,472	14,962	25,549	84,983	368.8
1985	1,980	36,458	12,917	21,431	70,806	316.8
1986	964	18,598	8,055	12,362	39,015	177.6
1987	936	16,441	8,114	11,698	36,253	163.9
1988	936	13,608	8,403	10,290	32,301	154.9
1989	869	10,338	9,005	8,281	27,624	131.8
1990	1,010	11,514	9,796	8,075	29,385	145.0

3. OPERATORS & PRODUCING WELLS

Year	Drilling Operators of Record	Crude Oil		Natural Gas		Total Producing Wells
		Producing Wells	% of Total	Producing Wells	% of Total	
1971	N/A	512,471	81.4	117,300	18.6	629,771
1972	N/A	503,505	80.9	119,167	19.1	622,672
1973	N/A	499,968	80.3	123,034	19.7	623,002
1974	5,981	494,352	79.6	126,997	20.4	621,349
1975	7,201	507,940	79.5	131,086	20.5	639,026
1976	8,554	503,268	78.5	137,594	21.5	640,862
1977	6,782	508,340	77.8	145,453	22.2	653,793
1978	7,222	516,238	77.1	153,655	22.9	669,893
1979	7,859	526,855	76.1	165,888	23.9	692,743
1980	9,952	543,510	75.6	175,213	24.4	718,723
1981	12,224	557,009	74.6	189,609	25.4	746,618
1982	12,853	580,142	74.0	203,663	26.0	783,805
1983	12,730	603,290	73.8	214,354	26.2	817,644
1984	12,618	620,807	73.3	226,077	26.7	846,884
1985	11,187	646,626	72.5	245,765	27.5	892,391
1986	8,163	628,690	71.5	250,510	28.5	879,200
1987	6,864	620,181	71.0	253,856	29.0	874,037
1988	5,950	623,587	70.9	256,004	29.1	879,591
1989	5,000	606,881	69.9	261,225	30.1	868,106
1990	4,301	587,762	69.0	264,558	31.0	852,320

4. STRIPPER WELLS

Year	Producing Wells		Production		Avg. Output per Well (b/d)	Abandonments	Reserves (Bill. Bbls.)
	Stripper Wells	% U.S. Wells	Thous. b/d	% U.S. Output			
1971	353,696	68.4	1160	12.3	3.3	18,421	4.8
1972	359,471	70.7	1,125	11.9	3.1	13,483	4.9
1973	355,229	71.4	1,057	11.5	3.0	13,756	4.9
1974	366,095	73.6	1,129	12.9	3.1	13,779	4.8
1975	367,872	73.5	1,080	12.9	2.9	13,478	4.9
1976	365,733	73.3	1,072	13.2	2.9	9,916	4.9
1977	368,930	72.8	1,075	13.1	2.9	9,000	4.9
1978	374,635	72.5	1,073	12.3	2.9	8,380	5.0
1979	386,310	72.7	1,081	12.6	2.8	7,668	5.2
1980	395,176	72.1	1,096	12.7	2.8	6,614	5.2
1981	409,539	73.5	1,168	13.1	2.9	7,215	4.4
1982	416,493	71.8	1,211	14.0	2.9	9,426	4.5
1983	441,501	73.2	1,266	14.6	2.9	11,032	4.6
1984	452,543	72.9	1,266	14.3	2.8	14,170	4.5
1985	458,447	70.9	1,249	14.0	2.7	16,024	4.2
1986	460,429	73.2	1,231	14.0	2.7	19,233	4.0
1987	451,787	72.8	1,224	14.7	2.7	18,241	3.9
1988	454,150	75.3	1,210	14.9	2.7	17,423	3.8
1989	452,589	75.0	1,060	13.9	2.3	16,107	3.7
1990	N/A	N/A	N/A	N/A	N/A	N/A	N/A

5. NEW RESERVES ADDED

Year	Liquid Hydrocarbons (Mill. Bbls.)			Natural Gas (Tcf)	Crude Oil Reserves Per New Oil Well (Bbls.)	Nat. Gas Reserves Per New Gas Well (MMcf)
	Crude Oil	NGL	Total			
1971	2,318	347	2,665	10.1	194,741	2,536
1972	1,558	238	1,796	9.8	136,225	1,787
1973	2,146	409	2,555	6.5	209,345	932
1974	1,994	620	2,614	8.5	146,145	1,186
1975	1,318	619	1,937	10.8	77,625	1,322
1976	1,085	834	1,919	7.4	61,310	784
1977	1,140	291	1,431	12.3	60,963	1,015
1978	2,583	596	3,179	10.7	135,484	743
1979	1,410	570	1,980	14.5	68,152	956
1980	2,970	844	3,814	16.7	92,466	975
1981	2,570	1,081	3,651	21.5	60,442	1,089
1982	1,382	874	2,256	17.3	35,208	920
1983	2,897	1,405	4,302	14.5	77,468	1,000
1984	3,748	518	4,266	14.4	84,278	962
1985	3,022	1,054	4,076	11.9	82,890	921
1986	1,446	959	2,405	13.8	77,750	1,713
1987	3,240	729	3,969	11.7	197,068	1,442
1988	2,380	845	3,225	-2.5	174,897	-298
1989	2,262	288	2,550	16.1	214,652	1,759
1990	2,258	553	2,811	19.5	196,109	1,991

6. PROVED RESERVES

As of Dec. 31st	Liquid Hydrocarbons (Mill. Bbls.)			Natural Gas-Dry (Tcf)	Reserve/Production Ratio		
	Crude Oil	NGL	Total Liquid		Crude Oil	Total Liquid	Natural Gas
1971	38,063	7,304	45,367	278.8	11.7	11.3	12.6
1972	36,339	6,787	43,126	266.1	11.1	10.7	11.8
1973	35,300	6,455	41,755	250.0	11.1	10.6	11.1
1974	34,250	6,350	40,600	237.1	11.3	10.8	11.1
1975	32,682	6,268	38,950	228.2	11.3	10.9	11.6
1976	33,502	6,402	39,904	216.0	11.0	11.3	11.1
1977	31,780	5,994	37,774	208.9	11.1	10.6	10.7
1978	31,335	6,772	38,107	200.3	10.4	10.4	10.4
1979	29,810	6,615	36,425	194.9	10.1	9.9	9.8
1980	29,805	6,728	36,533	199.0	10.0	9.9	10.6
1981	29,426	7,068	36,494	201.7	10.0	9.9	10.8
1982	27,858	7,221	35,079	201.5	9.4	9.6	11.5
1983	27,735	7,901	35,636	200.3	9.2	9.5	12.7
1984	28,446	7,643	36,089	197.5	9.4	9.5	11.5
1985	28,416	7,944	36,360	193.4	9.3	9.6	12.1
1986	26,889	8,165	35,054	191.6	9.0	9.4	12.3
1987	27,256	8,147	35,403	187.2	9.5	9.8	11.6
1988	26,825	8,238	35,063	168.0	9.5	9.8	10.1
1989	26,501	7,769	34,270	167.1	10.2	10.3	9.8
1990	26,254	7,586	33,840	169.3	10.5	10.5	9.8

7. PETROLEUM PRODUCTION

Year	Crude Oil	NGL	Total Production	Average Crude Oil Per Well	% of U.S. Energy Production		
					Petroleum	Natural Gas	Total
	(Thous. b/d)			(b/d)			
1971	9,463	1,694	11,157	18.5	32.5	40.2	72.7
1972	9,441	1,744	11,185	18.8	31.9	39.5	71.4
1973	9,208	1,738	10,946	18.4	31.4	39.9	71.3
1974	8,774	1,688	10,462	17.7	30.5	38.9	69.4
1975	8,375	1,632	10,007	16.5	29.6	36.8	66.4
1976	8,132	1,604	9,736	16.2	28.8	36.4	65.2
1977	8,245	1,618	9,863	16.2	29.0	36.4	65.4
1978	8,707	1,567	10,274	16.9	30.2	35.6	65.8
1979	8,552	1,583	10,135	16.2	28.4	35.0	63.4
1980	8,597	1,573	10,170	15.8	28.2	34.2	62.4
1981	8,572	1,609	10,181	15.4	28.2	34.2	62.4
1982	8,649	1,550	10,199	14.9	28.7	32.0	60.7
1983	8,688	1,559	10,247	14.4	30.0	30.6	60.6
1984	8,879	1,630	10,509	14.3	28.6	30.7	59.3
1985	8,971	1,609	10,580	13.9	29.3	29.6	58.9
1986	8,680	1,551	10,231	13.8	28.6	29.0	57.6
1987	8,349	1,595	9,944	13.5	27.3	29.7	57.0
1988	8,151	1,625	9,776	13.1	26.2	30.0	56.2
1989	7,626	1,546	9,172	12.6	24.4	30.2	54.6
1990	7,335	1,559	8,914	12.5	22.9	30.1	53.0

8. PETROLEUM CONSUMPTION

Year	Petroleum Demand (Thous. b/d)			% of U.S. Energy Consumption		Energy/GNP Ratio
	Domestic	Export	Total	Petroleum	Natural Gas	(Thous. Btu Per 1982 $)
1971	15,213	224	15,437	45.1	33.1	N/A
1972	16,367	222	16,589	46.3	31.9	N/A
1973	17,308	231	17,539	46.9	30.3	27.1
1974	16,652	221	16,873	46.1	30.0	26.6
1975	16,322	209	16,531	46.4	28.3	26.2
1976	17,461	223	17,684	47.3	27.4	26.3
1977	18,431	243	18,674	48.7	26.1	25.8
1978	18,847	362	19,209	48.6	25.6	25.1
1979	18,516	471	18,987	47.1	26.2	24.7
1980	17,056	544	17,600	45.0	26.8	23.8
1981	16,058	595	16,653	43.2	26.9	22.8
1982	15,296	815	16,111	42.7	26.1	22.4
1983	15,231	739	15,970	42.6	24.6	21.5
1984	15,726	722	16,448	41.9	25.0	21.2
1985	15,726	781	16,507	41.8	24.1	20.4
1986	16,281	785	17,066	43.4	22.5	20.0
1987	16,665	764	17,429	42.8	23.0	20.0
1988	17,283	815	18,098	42.7	23.1	20.0
1989	17,325	859	18,184	42.1	23.8	19.8
1990	16,988	857	17,845	41.3	23.8	19.6

9. PETROLEUM SUPPLY

Year	Imports			Other Supply	Total Supply	Imports as % of Demand
	Crude Oil	Refined Products	Total (excl. SPR)			
	(Thous. b/d)					
1971	1,680	2,245	3,925	438	15,520	25.8
1972	2,216	2,525	4,741	431	16,357	29.0
1973	3,244	3,012	6,256	472	17,674	36.1
1974	3,477	2,635	6,112	478	17,052	36.7
1975	4,105	1,951	6,056	631	16,694	37.1
1976	5,287	2,026	7,313	577	17,626	41.9
1977	6,594	2,193	8,787	552	19,202	47.7
1978	6,194	2,008	8,202	476	18,952	43.5
1979	6,452	1,937	8,389	570	19,094	45.3
1980	5,219	1,646	6,865	660	17,695	40.2
1981	4,141	1,599	5,740	646	16,567	35.7
1982	3,323	1,625	4,948	643	15,790	32.3
1983	3,096	1,721	4,817	737	15,801	31.6
1984	3,229	2,011	5,240	784	16,533	33.3
1985	3,083	1,866	4,949	758	16,287	31.5
1986	4,130	2,046	6,176	811	17,218	37.9
1987	4,601	2,004	6,605	841	17,390	39.6
1988	5,056	2,295	7,351	902	18,018	42.5
1989	5,787	2,218	8,005	934	18,098	46.3
1990	5,867	2,124	7,991	1,021	17,926	47.0

10. PETROLEUM IMPORTS BY ORIGIN

Year	OPEC Sources		Arab OPEC		Persian Gulf		Total
	Thous. b/d	% Total Imports	Thous. b/d	% Total Imports	Thous. b/d	% Total Imports	Thous. b/d (incl. SPR)
1971	1,673	42.6	327	8.3	127	3.2	3,925
1972	2,063	43.5	530	11.2	190	4.0	4,741
1973	2,993	47.8	915	14.6	486	7.8	6,256
1974	3,280	53.7	752	12.3	461	7.5	6,112
1975	3,601	59.5	1,383	22.8	715	11.8	6,056
1976	5,066	69.4	2,424	33.2	1,230	16.9	7,295
1977	6,193	70.3	3,185	36.2	1,380	15.7	8,807
1978	5,751	68.8	2,963	35.4	1,144	13.7	8,363
1979	5,637	66.7	3,056	36.1	1,356	16.0	8,456
1980	4,300	62.2	2,551	36.9	1,261	18.3	6,909
1981	3,323	55.4	1,848	30.8	1,129	18.8	5,996
1982	2,146	42.0	854	16.7	552	10.8	5,113
1983	1,832	36.3	625	12.4	337	6.7	5,051
1984	2,049	37.7	819	15.1	325	6.0	5,437
1985	1,830	36.1	472	9.3	168	3.3	5,067
1986	2,837	45.6	1,162	18.7	685	11.0	6,224
1987	3,060	45.8	1,274	19.1	751	11.2	6,678
1988	3,520	47.6	1,839	24.8	1,064	14.4	7,402
1989	4,140	51.4	2,130	26.4	1,880	23.3	8,061
1990	4,296	53.6	2,244	28.0	2,001	25.0	8,018

11. NATURAL GAS

Year	Marketed Production (Wet)	Dry Gas Production	Imports	Exports	Total Supply	Consumption
	(Bcf)					
1971	22,493	21,610	935	80	24,052	21,793
1972	22,532	21,624	1,019	78	24,400	22,101
1973	22,648	21,731	1,033	77	24,297	22,049
1974	21,601	20,713	959	77	23,373	21,223
1975	20,109	19,236	953	73	21,949	19,538
1976	19,952	19,098	964	65	22,122	19,946
1977	20,025	19,163	1,011	56	21,910	19,521
1978	19,974	19,122	966	53	22,238	19,627
1979	20,473	19,663	1,253	56	22,974	20,241
1980	19,889	19,558	985	49	22,515	19,877
1981	19,956	19,357	904	59	22,191	19,404
1982	18,520	17,903	933	52	21,000	18,001
1983	16,822	16,164	920	55	19,352	16,835
1984	18,230	17,392	843	55	20,443	17,951
1985	17,198	16,382	949	57	19,855	17,281
1986	16,791	15,991	750	61	18,692	16,221
1987	17,349	16,536	993	54	19,534	17,211
1988	17,841	17,026	1,294	74	20,691	18,030
1989	18,029	17,245	1,382	107	21,425	18,799
1990	18,469	17,609	1,512	99	21,338	18,803

12. NATURAL GAS PRICES

Year	Wellhead		End Use				
	Current $	Constant 1990 $	Residential	Commercial	Industrial	Utilities	All Uses
	($/Mcf)						
1971	0.18	0.53	1.15	0.82	0.41	0.32	0.63
1972	0.19	0.54	1.21	0.88	0.45	0.34	0.68
1973	0.22	0.59	1.29	0.94	0.50	0.38	0.73
1974	0.30	0.73	1.43	1.07	0.67	0.51	0.89
1975	0.45	1.00	1.71	1.35	0.96	0.77	1.19
1976	0.58	1.16	1.98	1.64	1.24	1.06	1.47
1977	0.79	1.54	2.35	2.04	1.50	1.32	1.78
1978	0.91	1.66	2.56	2.23	1.70	1.48	1.98
1979	1.18	1.97	2.98	2.73	1.99	1.81	2.34
1980	1.59	2.44	3.68	3.39	2.56	2.27	2.91
1981	1.98	2.77	4.29	4.00	3.14	2.89	3.51
1982	2.46	3.24	5.17	4.82	3.87	3.48	4.32
1983	2.59	3.28	6.06	5.59	4.18	3.58	4.82
1984	2.66	3.25	6.12	5.55	4.22	3.70	4.85
1985	2.51	2.98	6.12	5.50	3.95	3.55	4.72
1986	1.94	2.24	5.83	5.08	3.23	2.43	4.13
1987	1.67	1.87	5.54	4.77	2.94	2.32	4.05
1988	1.69	1.83	5.47	4.63	2.95	2.34	4.09
1989	1.69	1.76	5.64	4.74	2.97	2.42	4.22
1990	1.72	1.72	5.77	4.83	2.92	2.38	4.19

13. OIL & COMPOSITE PRICES

Year	Crude Wellhead		Refiner Acq. Cost			Oil/Gas Composite	
	Current $	Constant 1990 $	U.S.	Import	Composite	Current $	Constant 1990 $
	($/Bbl.)						
1971	3.39	10.04	3.68	3.17	3.60	2.07	6.13
1972	3.39	9.59	3.67	3.22	3.58	2.10	5.94
1973	3.89	10.33	4.17	4.08	4.15	2.39	6.35
1974	6.87	16.73	7.18	12.52	9.07	3.95	9.62
1975	7.67	17.01	8.39	13.93	10.38	4.79	10.62
1976	8.19	17.07	8.84	13.48	10.89	5.39	11.23
1977	8.57	16.74	9.55	14.53	11.96	6.19	12.09
1978	9.00	16.39	10.61	14.57	12.46	6.80	12.39
1979	12.64	21.15	14.27	21.67	17.72	9.20	15.39
1980	21.59	33.13	24.23	33.89	28.07	14.57	22.36
1981	31.77	44.45	34.33	37.05	35.24	20.36	28.48
1982	28.52	37.50	31.22	33.55	31.87	20.59	27.07
1983	26.19	33.15	28.87	29.30	28.99	20.14	25.49
1984	25.88	31.60	28.53	28.88	28.63	20.00	24.42
1985	24.09	28.57	26.66	26.99	26.75	18.90	22.41
1986	12.51	14.46	14.82	14.00	14.55	11.50	13.29
1987	15.40	17.25	17.76	18.13	17.90	12.12	13.58
1988	12.58	13.64	14.74	14.56	14.67	10.76	11.67
1989	15.85	16.50	17.87	18.08	17.97	12.17	12.67
1990	20.03	20.03	22.60	21.78	22.23	14.02	14.02

14. PETROLEUM PRODUCT PRICES

Year	Wholesale Prices						Retail Gasoline	
	Gasoline	Kerosene	Distillate	Resid. Fuel	Average 4 Products		Excl. Taxes	Incl. Taxes
	($/Gal.)					($/Bbl.)	($/Gal.)	
1971	0.13	0.13	0.11	0.08	0.11	4.59	0.24	0.35
1972	0.13	0.13	0.11	0.08	0.11	4.57	0.24	0.35
1973	0.15	0.14	0.13	0.08	0.12	5.25	0.27	0.38
1974	0.26	0.24	0.23	0.20	0.23	9.86	0.40	0.52
1975	0.30	0.27	0.26	0.22	0.27	11.35	0.46	0.57
1976	0.34	0.32	0.30	0.22	0.30	12.41	0.47	0.59
1977	0.37	0.36	0.34	0.26	0.33	13.95	0.51	0.63
1978	0.39	0.37	0.36	0.23	0.34	14.16	0.54	0.65
1979	0.57	0.57	0.54	0.34	0.50	20.79	0.74	0.85
1980	0.87	0.80	0.78	0.44	0.73	30.56	1.08	1.19
1981	1.02	1.01	0.97	0.61	0.89	37.28	1.20	1.33
1982	0.95	0.97	0.92	0.58	0.83	34.97	1.12	1.26
1983	0.87	0.85	0.80	0.57	0.77	32.31	1.03	1.22
1984	0.81	0.85	0.80	0.59	0.74	31.29	1.00	1.21
1985	0.81	0.82	0.77	0.56	0.73	30.69	0.95	1.16
1986	0.48	0.50	0.45	0.36	0.44	18.47	0.70	0.92
1987	0.53	0.57	0.52	0.45	0.51	21.37	0.72	0.95
1988	0.50	0.51	0.46	0.39	0.46	19.41	0.71	0.95
1989	0.59	0.61	0.56	0.41	0.53	22.38	0.77	1.01
1990	0.72	0.73	0.68	0.51	0.65	27.38	0.88	1.14

15. WELLHEAD REVENUES & TAXES

Year	Wellhead Revenues (Mill. $)					Severance and Production Taxes Paid (Mill. $)
	Crude Oil	% of Total	Natural Gas	% of Total	Total	
1971	11,709	74.3	4,049	25.7	15,758	696
1972	11,714	73.2	4,281	26.8	15,995	711
1973	13,074	72.4	4,983	27.6	18,057	783
1974	22,001	77.2	6,480	22.8	28,481	1,260
1975	23,446	72.2	9,049	27.8	32,495	1,614
1976	24,376	67.8	11,572	32.2	35,948	1,804
1977	25,791	62.0	15,820	38.0	41,611	2,013
1978	28,602	61.1	18,176	38.9	46,778	2,204
1979	39,456	62.0	24,158	38.0	63,614	2,463
1980	67,933	67.9	32,086	32.1	100,019	3,865
1981	99,401	71.6	39,513	28.4	138,914	6,418
1982	90,034	66.4	45,559	33.6	135,593	7,464
1983	83,052	65.6	43,569	34.4	126,621	7,265
1984	84,103	63.4	48,492	36.6	132,595	7,192
1985	78,881	64.6	43,167	35.4	122,048	7,002
1986	39,634	54.9	32,575	45.1	72,209	5,360
1987	46,930	61.8	28,973	38.2	75,903	3,998
1988	37,479	55.5	30,096	44.5	67,575	4,002
1989	44,150	59.1	30,560	40.9	74,710	3,821
1990	53,774	62.9	31,766	37.1	85,540	4,621

16. FINANCIAL STATISTICS

Year	Rate of Return %		Exploration & Development Outlays (Mill. $)			Wages ($/Hour)	
	Oil & Gas	All Mfg.	Larger Firms	Independents	Total	Oil & Gas	All Mfg.
1971	N/A	N/A	N/A	N/A	N/A	4.15	3.56
1972	N/A	N/A	N/A	N/A	N/A	4.52	3.82
1973	N/A	14.5	5,465	3,021	8,486	4.79	4.09
1974	N/A	13.2	8,847	4,225	13,072	5.30	4.42
1975	N/A	11.6	6,897	4,836	11,733	6.01	4.83
1976	N/A	14.0	8,876	6,043	14,919	6.61	5.22
1977	N/A	14.1	10,311	6,600	16,911	7.16	5.68
1978	N/A	14.8	12,064	8,400	20,464	8.05	6.17
1979	N/A	15.1	21,822	11,099	32,921	8.78	6.70
1980	N/A	12.2	26,235	14,175	40,410	9.70	7.27
1981	N/A	12.9	31,992	23,698	55,690	10.78	7.99
1982	13.8	9.7	30,330	23,387	53,717	11.81	8.50
1983	12.0	12.3	24,201	22,047	46,248	12.38	8.84
1984	12.4	13.9	25,698	22,356	48,054	12.77	9.18
1985	9.1	10.7	23,097	20,538	43,635	13.31	9.52
1986	3.0	11.1	12,168	11,754	23,922	13.75	9.73
1987	5.4	14.5	10,555	9,208	19,763	14.02	9.91
1988	13.5	16.4	13,198	10,759	23,957	14.47	10.18
1989	12.7	14.7	11,557	9,795	21,352	12.29	10.49
1990	N/A	N/A	N/A	N/A	N/A	12.72	10.80

17. DRILLING COSTS & INDICES

Year	Drilling Costs			Producer Price Index	Crude Price Index	Oil Machinery Index
	Total (Mill. $)	Per Well ($)	Per Ft. ($)	(1982=100)		
1971	2,372	94,703	19.03	40.5	15.6	27.9
1972	2,814	106,424	20.76	41.8	15.5	28.9
1973	3,075	117,152	22.50	45.6	17.2	30.3
1974	4,367	138,718	28.93	52.6	28.9	35.9
1975	6,571	177,793	36.99	58.2	33.5	44.6
1976	7,462	191,615	40.46	60.8	34.6	49.5
1977	9,957	229,181	46.82	64.7	37.4	53.8
1978	13,061	279,950	56.64	69.8	40.9	59.5
1979	16,079	331,367	67.71	77.6	51.3	65.8
1980	22,800	367,682	77.03	88.0	75.9	76.3
1981	36,666	453,691	94.30	96.1	109.6	91.1
1982	39,428	514,378	108.73	100.0	100.0	100.0
1983	25,105	371,721	83.34	101.6	92.9	97.4
1984	25,206	326,463	71.90	103.7	91.3	96.6
1985	23,697	349,399	75.35	104.7	84.5	96.8
1986	13,552	364,577	76.88	103.2	46.9	94.3
1987	9,239	279,615	58.71	105.4	55.5	93.3
1988	10,550	354,713	70.23	108.0	46.2	97.0
1989	9,669	362,243	75.08	113.6	56.3	99.2
1990	N/A	N/A	N/A	116.3	77.3	109.3

18. OIL & GAS EMPLOYMENT

Year	Extraction	Refining	Transportation	Wholesale	Retail	Total Industry
	(Thous.)					
1971	264.2	164.0	175.8	225.0	619.0	1,448.0
1972	267.9	162.8	177.4	225.2	648.9	1,482.2
1973	273.9	160.3	179.5	220.8	651.4	1,485.9
1974	300.2	164.6	180.5	216.8	590.4	1,452.5
1975	328.8	164.0	179.4	227.5	622.2	1,521.9
1976	345.7	167.7	177.0	232.0	625.8	1,548.2
1977	381.4	170.7	177.3	229.7	628.7	1,587.8
1978	429.3	175.4	183.1	229.4	628.0	1,645.2
1979	474.2	177.3	187.2	225.4	576.9	1,641.0
1980	559.7	167.0	189.3	223.9	560.8	1,700.7
1981	692.1	185.1	195.8	231.5	562.2	1,866.7
1982	708.3	175.8	198.2	222.6	559.0	1,863.9
1983	597.8	169.2	193.6	210.9	556.2	1,727.7
1984	606.5	162.2	192.3	208.3	574.7	1,744.0
1985	582.9	152.5	193.5	205.9	588.5	1,723.3
1986	450.5	140.7	185.6	200.5	596.0	1,573.3
1987	401.8	133.5	183.8	197.9	608.0	1,525.0
1988	405.9	130.4	183.6	202.1	626.8	1,548.8
1989	381.5	117.4	181.9	207.4	642.1	1,530.3
1990	394.0	117.8	183.0	198.3	650.4	1,543.5

19. GENERAL ECONOMIC DATA

Year	Cost of Oil Imports	Gross National Product			Consumer Price Index	Industrial Production Index
		Current $	Constant 1982 $	Price Deflator		
	(Bill. $)			1982=100	1982-84=100	1977=100
1971	N/A	1,102.7	2,484.8	44.4	40.5	79.6
1972	N/A	1,212.8	2,608.5	46.5	41.8	87.3
1973	N/A	1,359.3	2,744.1	49.5	44.4	94.4
1974	26.1	1,472.8	2,729.3	54.0	49.3	93.0
1975	26.7	1,598.4	2,695.0	59.3	53.8	84.8
1976	34.6	1,782.8	2,826.7	63.1	56.9	92.6
1977	44.1	1,990.5	2,958.6	67.3	60.6	100.0
1978	42.2	2,249.7	3,115.2	72.2	65.2	106.5
1979	59.8	2,508.2	3,192.4	78.6	72.6	110.7
1980	78.6	2,732.0	3,187.1	85.7	82.4	108.6
1981	76.7	3,052.6	3,248.8	94.0	90.9	111.0
1982	60.5	3,166.0	3,166.0	100.0	96.5	103.1
1983	53.2	3,405.7	3,279.1	103.9	99.6	109.2
1984	56.9	3,772.2	3,501.4	107.7	103.9	121.4
1985	50.5	4,014.9	3,618.7	110.9	107.6	123.7
1986	35.1	4,231.6	3,717.9	113.8	109.6	125.1
1987	42.3	4,515.6	3,845.3	117.4	113.6	129.8
1988	38.8	4,873.7	4,016.9	121.3	118.3	137.2
1989	49.6	5,200.8	4,117.7	126.3	124.0	141.8
1990	65.1	5,465.1	4,157.3	131.5	130.7	143.2

PEAK YEAR MILESTONES

Operators of Record	1982	12,853	
Seismic Crew Count	1981	8,172	
Rotary Rigs Active	1981	3,970	
Exploratory Wells Drilled	1981	17,430	
Oil Wells Drilled	1984	44,472	
Gas Wells Drilled	1981	19,742	
Dry Holes Drilled	1981	26,972	
Total Wells Drilled	1981	89,234	
Producing Oil Wells	1985	646,626	
Producing Gas Wells	1989	261,139	
Drilling Costs	1982	$39.4	Bill.
Crude Oil Production	1970	9,637	Thous. b/d
Stripper Well Production	1961	1,622	Thous. b/d
Petroleum Imports	1977	8,787	Thous. b/d
Petroleum Demand	1978	18,847	Thous. b/d
Natural Gas Production	1973	22,648	Bcf
Natural Gas Consumption	1972	22,101	Bcf
Natural Gas Imports	1990	1,465	Bcf
Oil Wellhead Price	1981	$31.77	per Bbl.
Gas Wellhead Price	1984	$2.66	per Mcf
Total Employment	1981	1.9	Mill.

SOURCES:

1. Seismic Crews: Society of Exploration Geophysicists; Wells: American Petroleum Institute (API)
2. Rotary Rigs: Baker Hughes; Wells and Footage: API (estimated completion basis)
3. Operators: Petroleum Information; Producing Wells: *World Oil*
4. Stripper Wells: National Stripper Well Association (NSWA)

5.-6. Energy Information Administration (EIA); API; American Gas Association

7.-13. EIA and IPAA

14. Wholesale Prices: IPAA; Retail Gasoline Prices: *Oil & Gas Journal*
15. Wellhead Value: EIA; Taxes: IPAA
16. Rate of Return: *Oil and Gas Journal* and Standard and Poor's Compustat; Wages: Bureau of Labor Statistics; Other Data: API
17. Drilling Costs: *Joint Association Survey*; Oil Field Wage Index: IPAA; Other Indices: Dept. of Commerce
18. Bureau of Labor Statistics
19. Department of Commerce

NOTES:

A. Crude oil production and imports include lease condensate. Other petroleum supply includes refinery processing gain and other hydrocarbons.
B. Producing wells and reserves are shown as of December 31st each year.
C. Petroleum reserves in 1970 include 9.6 bill. bbls. of crude oil and 26 Tcf of natural gas from Alaska North Slope. In 1988, there was a significant downward revision in Alaskan natural gas reserves.
D. Imports for the Strategic Petroleum Reserve are included only in Table #10, "Imports by Origin."
E. Marketed natural gas (wet) includes natural gas liquids. Total natural gas supply includes withdrawals from storage and supplemental gaseous fuels.
F. Gasoline wholesale prices are for unleaded fuel after 1981. Retail prices are for unleaded fuel after 1984.

Contact: IPAA Petroleum Information Services Dept.
(202) 857-4760